

Converting Colors

XYZ(88.7250, 59.8257, 91.3023)

Have a look what the booklet for
XYZ(88.7250, 59.8257, 91.3023)
contains.

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Color

**XYZ(68.1651, 49.2260,
90.7029)**

Conversions

Conversions Part 1

Format	Color
Hex	FF95F3
RGB	255, 149, 243
RGB Percent	100%, 58%, 95%
CMY	0.0000, 0.4157, 0.0471
CMYK	0.00, 0.42, 0.05, 0.00
HSL	307°, 100%, 79%
HSV	307°, 42%, 100%
XYZ	68.1651, 49.2260, 90.7029
YIQ	191.4100, 33.0020, 51.7060

Conversions

Conversions Part 2

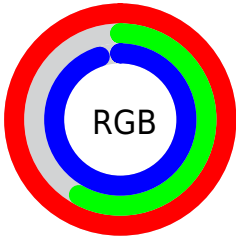
Format	Color
R _Y B	255, 149, 243
Decimal	16750067
CIE Lab	75.59, 52.76, -30.27
CIE LCh	76, 60.827, 330.158
Yxy	49.2260, 0.3276, 0.2366
Android (android.graphics.Color)	4294940147 (0xFFFF95F3)
YUV	191.4100, 25.4339, 55.7684
Hunter-Lab	70.1612, 50.6394, -27.5359

Details

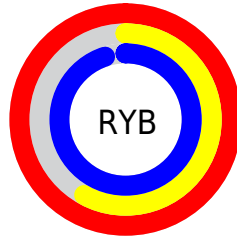
The XYZ color **68.1651, 49.2260, 90.7029** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **54.5891, 80.4835, 46.3784**, and the grayscale version is **49.6040, 52.1873, 56.8319**.

A 20% lighter version of the original color is **81.1213, 72.1426, 104.2571**, and **35.8268, 23.5080, 49.6629** is the 20% darker color. If you saturate the color by 10%, you get **64.1311, 41.8499, 87.2247**, and if you desaturate by 10%, it is **73.0913, 58.3750, 94.5135**.

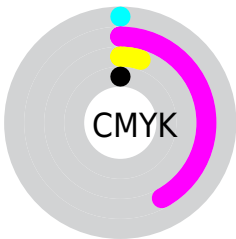
Distribution



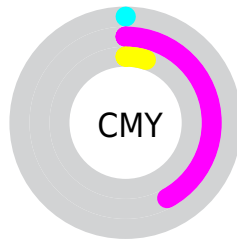
- Red (100%)
- Green (58%)
- Blue (95%)



- Red (100%)
- Yellow (58%)
- Blue (95%)



- Cyan (0%)
- Magenta (42%)
- Yellow (5%)
- Black (0%)





- Cyan (0%)
- Magenta (42%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.1651, 49.2260, 90.7029 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 68.1651, 49.2260, 90.7029 by changing the saturation by 10% instead.


 68.1651, 49.2260,
90.7029


 68.1651, 49.2260,
90.7029


443.4483,
383.6314, 550.9437

 50.3062, 34.7988,
67.9868

 115.6289, 89.0270,
150.2584

 35.8756, 23.5079,
49.4204


 145.9646,
115.1696, 187.9349

 24.5078, 14.9690,
34.5851

181.1899,
145.9861, 231.4352

 15.8375, 8.7976,
23.0625

221.6701,
181.8610, 281.1779

 9.4993, 4.6094,
14.4339

267.7708,
223.1785, 337.5816

 5.1280, 2.0200,
8.2809

319.8571,

 2.3581, 0.6190,

270.3232, 401.0648

4.1849

378.2945,
323.6793, 472.0460

■ 0.8241, 0.0000,
1.7273

■ 0.0000, 0.0000,
0.3793

■ 68.1651, 49.2260,
90.7029

■ 68.1651, 49.2260,
90.7029

■ 64.1311, 41.8499,
87.2247

■ 73.0913, 58.3750,
94.5135

■ 60.9276, 36.1243,
84.0565

■ 78.9594, 69.3969,
98.6715

■ 58.4905, 31.9206,
81.1772

■ 85.8193, 82.3914,
103.1941

■ 56.7448, 29.0887,
78.5617

■ 93.7164, 97.4492,
108.0968

■ 55.6000, 27.4481,
76.1798

95.0500, 100.0000,
108.9000

■ 54.9857, 26.7583,
74.3136

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.5153, 49.2260, 126.9662



68.1651, 49.2260, 90.7029



71.9170, 49.2260, 53.4278

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.1651, 49.2260, 90.7029



46.7281, 49.2260, 12.4566



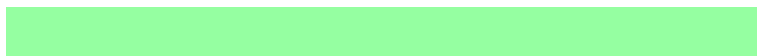
30.4694, 49.2260, 91.1244

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



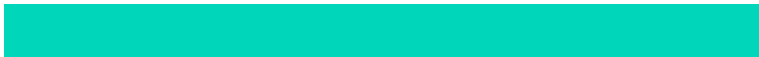
68.1651, 49.2260, 90.7029



54.5891, 80.4835, 46.3784

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



28.3226, 49.2260, 53.7700



68.1651, 49.2260, 90.7029



36.7423, 49.2260, 15.9018

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.1651, 49.2260, 90.7029



58.3953, 49.2260, 15.8258



30.4245, 49.2260, 28.3089



36.8305, 49.2260, 127.2704

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.1651, 49.2260, 90.7029



70.1672, 49.2260, 34.9626



30.4245, 49.2260, 28.3089



29.2811, 49.2260, 77.9013

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



68.1662, 49.2280, 90.7039



85.5005, 81.7855, 102.9901



43.2169, 36.1499, 99.3076



18.0977, 17.1199, 21.9136



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.1662, 49.2280, 90.7039



64.7066, 42.8932, 87.7486



61.4369, 46.5363, 55.2678



18.6989, 18.2629, 22.2974



28.7666, 13.9959, 39.0171



2.8251, 1.3724, 3.9261

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



68.1662, 49.2280, 90.7039



64.7066, 42.8932, 87.7486



60.1154, 82.6941, 75.4797



18.6989, 18.2629, 22.2974



28.7666, 13.9959, 39.0171



2.8251, 1.3724, 3.9261

Previews

White Background



This preview shows how the XYZ color 68.1651, 49.2260, 90.7029 looks on a white background.

Color Contrast Check

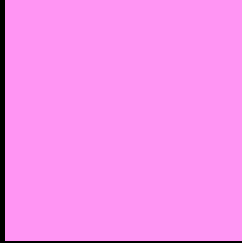
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 68.1651, 49.2260, 90.7029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

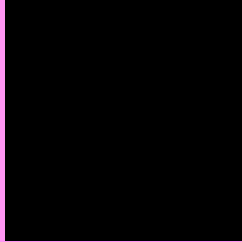
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.1651, 49.2260, 90.7029

Background



This preview shows how black text looks on a background with the XYZ color 68.1651, 49.2260, 90.7029.



This preview shows how white text looks on a background with the XYZ color 68.1651, 49.2260,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

68.1651, 49.2260, 90.7029

Protanopia

50.7075, 49.5003, 101.4897

Deuteranopia

50.5796, 49.4464, 86.9990



Tritanopia

59.2914, 49.1031, 47.4271

Trichromacy



Original Color

68.1651, 49.2260, 90.7029



Protanomaly

55.2642, 48.0966, 97.6376



Deuteranomaly

55.5965, 48.4796, 88.0886



Tritanomaly

62.0765, 48.9478, 60.8197

Monochromacy



Original Color

68.1651, 49.2260, 90.7029



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

54.8897, 50.0000, 67.7307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1651, 49.2260, 90.7029 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 149, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 149, 243)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 149, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 149, 243) }
```

Border

The CSS property to change the border of an element to XYZ 68.1651, 49.2260, 90.7029 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 149, 243) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 149, 243) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 149, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 149, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 149, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 149,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1651, 49.2260, 90.7029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 149, 243) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
149, 243) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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